

5575

U. S. COAST AND GEODETIC SURVEY  
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Diag. Ch. 1241-2

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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Georgia

DESCRIPTIVE REPORT

~~Topographic~~  
Hydrographic } Sheet No. 5b 5575

LOCALITY

Blackbeard Creek

Sapelo Sound

1934

CHIEF OF PARTY

C. A. Egner

U. S. GOVERNMENT PRINTING OFFICE: 1928

5575

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES
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REG. NO. 5575

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 5b

REGISTER NO. 5575

State Georgia

General locality Sapelo Sound

Locality Blackbeard Creek

Scale 1/10,000 Date of survey May-June, 19 34

Vessel "Patsy" (Field Party #23)

Chief of Party C. A. Egner

Surveyed by R. E. Dille

Protracted by ~~G. A. E., W. F. K.~~ (see sdg. Record)

Soundings penciled by ~~V. F. S., W. F. K.~~

Soundings in fathoms feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by R. K. Chisholm

Verified by R. K. Chisholm

Instructions dated December 5, 1934

Remarks:

REPORT TO ACCOMPANY

HYDROGRAPHIC SHEET

NO. 5b

2.

A depth of 3 ft. of water can be carried through the passage which seems to be a trifle greater than is indicated on the chart. *No soundings charted.*

Tides were referred to the Quarantine Tank Automatic gauge in Sapelo Sound.

Respectfully submitted

*S. H. H. H.*  
*St. C. & S.*  
*Chief of Party.*

Approved and forwarded

REPORT TO ACCOMPANY HYDROGRAPHIC SHEET

NO. 5b

This area of Blackbeard Creek, that through passage from Sapelo Sound to Cabretta Inlet traversing Blackbeard Island was plotted for convenience on the lower half of fractional sheet 5, the upper half covering the upper Medway River as an extension of sheet 5.

This creek, while relatively unimportant, can be used by boats of moderate draft at half tide or better and provides a means of reaching high ground on Blackbeard Island.

No unusual problems were presented in the survey. No planetable or triangulation control was put in this area due to its lack of importance. Since aerial photographs gave a good determination of the shoreline, signals were spotted at definite points and the hydrography was controlled by reference to these points.

No sextant fixes were used except at the north entrance where some signals transferred from Hydrographic Sheet #14 (Topographic U) gave control near the entrance and for a short distance inside.

The usual methods of sounding with the 10 lb. hand lead were used, and sufficient lines were run to develop the channel.

# HYDROGRAPHIC STATISTICS FOR SHEET NO. 5b

<u>Volume</u>	<u>Date</u>	<u>Day-Letter</u>	<u>Soundings</u>	<u>Positions</u>	<u>Miles</u>	<u>Boat</u>
1	Nov. 9	a	764	80	23.5	OGLETHORPE

To: Mr. Bacon  
From C.F.M.

Survey No. H 5575

GEOGRAPHIC NAMES  
GEORGIA

Date. Jan. 8, 1935

Chart No. 1241

Diagram No. 1241-2

Names approved Jan. 21, 1935.

\* Approved by the Division of Geographic Names, Department of Interior.

Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

[illegible]

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. 55.75

The following statistics will be submitted with the  
cartographer's report on the sheet:

Number of positions on sheet	80 .....
Number of positions checked	80 .....
Number of positions revised	1 .....
Number of soundings recorded	76.4 .....
Number of soundings revised	7 .....
Number of signals erroneously plotted or transferred	0 .....

Date: Feb. 27<sup>th</sup> 1935

Verification by R. K. Chisholm

Time: 42 hrs.

Review by

*[Signature]*

Time: 13½



E

LAC

February 8, 1935

Division of Hydrography and Topography:

✓ Division of Charts: Attention Mr. E. P. Ellis

Tide Reducers are approved in  
1 volumes of sounding records for

HYDROGRAPHIC SHEET 5575

Locality Blackbeard Creek, Georgia

Chief of Party: C. A. Egner in 1934

Plane of reference is mean low water, reading  
2.0 ft. on tide staff at Quarantine Dock, Sapelo Id.  
8.4 ft. below B.M. 1

Height of mean high water above plane of reference is 6.9 feet

Condition of records satisfactory except as noted below:

*Hammer*

Acting Chief, Division of Tides and Currents.

H- 5575  
REPORT ON: BLACKBEARD CREEK

General locality: Sapelo Sound  
State of Georgia

Register No. 5575 ..... Field no. 56

Chief of party... C. A. Egner — — — — — Surveyed Nov. 9<sup>th</sup>, 1934

Protracted by... C. A. E. & W. F. K. — Note altered of record: positions protracted by V. F. S.

Surveyed by... R. E. Dille

Soundings plotted by... C. A. E.

Verified and inked by... R. K. Chisholm

The records conform to the requirements of the general instructions

The usual depth curves can be completely drawn ~~except in 2 instances,~~  
~~where there is some conflict between the boat sheet, smooth sheet, &~~  
~~record.~~

The field plotting was completed to the extent prescribed in the in the Hydrographic Manual. However, more than two thirds of the positions were given by measure from temporary points along the shore because of lack of previous Topographic survey or other established points.

The office draughtsman did not have to do over any of the draughting done by the field party except for respacing a few soundings where extras. or omissions occurred on the smooth sheet.

The only avoidable junction with this sheet, H-5575-56, is at the North East, covering Sapelo Sound: H-5583. The overlap is to be performed on that sheet.

REMARKS :-

1. Between 57a and 59a there is a large discrepancy between the boat sheet and the smooth sheet, and on neither of these sheets do the soundings conform to those in the record. On the boat sheet there is an island off the point. This is entirely omitted on the smooth sheet. It will probably be necessary to wait for the aero-photo compilations to clear this point.
2. At 12a and 44a there are two 28 ft. depths occurring in unnatural proximity to depths of  $\frac{1}{2}'$  and  $-\frac{1}{2}'$ .
3. There is also a questionable place at the mouth of the creek towards "Cabretta Inlet." Here there is a bar in mid-stream with 8' depths occurring very close to each shore.


Between 35a and 36a, the 4<sup>th</sup> sounding was plotted 1' instead of 2' ✓  
 " 41a " 42a the 11<sup>th</sup> sounding was plotted 5' instead of 6'  
 " 30a " 31a there was 1 extra sounding not in the Record  
 " 12a " 13a there were 2 extra soundings " " " "  
 " 45a " 46a " " 1 extra sounding " " " "  
 " 64a " 65a " " 1 " " " " "  
 " 7a " 8a " " 1 sounding missing on smooth sheet  
 " 42a " 43a " " 1 " " " " "  
 (3 missing on boat sheet)

THESE ERRORS HAVE ALL BEEN CORRECTED

AND THE SOUNDINGS PROPERLY SPACED TO CONFORM  
 WITH THE RECORD ✓

List of SIGNALS used: BIT, TIL, POT, SID, BAIN.

SID is recoverable: Lat.  $31^{\circ}31' 966.5$  m. ✓  
 Long.  $81^{\circ}13' 64.8$  m.

Triangulation Station: SAP 2. 1932 ~~UNADJUSTED~~  
 Now Shown adjusted 

Respectfully Submitted by Robert K. Chisholm

(3)

this survey has been compared with the air photo  
compilation. the islet previously mentioned does ✓  
not show and Mr. Jones' attention should be called  
to same when the photographs are available. ✓

M. Silverberg

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5575 (1934)

Blackbeard Creek, Sapelo Sound, Georgia

Surveyed in May & June, 1934

Instructions dated Dec. 5, 1933 (NATOMA)

Hand Lead Soundings - 3 point fix on shore signals.  
Points spotted on boat sheet from  
Air Photographs.

Chief of Party - C. A. Egner.

Surveyed by - R. E. Dille.

Protracted by V. F. Simmons.

Soundings plotted by - C. A. Egner.

Verified and inked by - R. K. Chisholm.

1. Condition of Records.

The records are legible and conform to the requirements of the Hydrographic Manual except as follows:

- a. No copy of landmarks for charts on form 567 accompanied this particular sheet.
- b. No list of signals used, was submitted with the records.
- c. On the cover label and title page of the sounding records the position numbers and day letters were in blue ink instead of red to conform with the day letters in the sounding volume. These were changed in the office to the proper color.
- d. Triangulation station NECK 1916, lat.  $31^{\circ}27' + 1412.5$  m., long.  $81^{\circ}13' + 406.3$  m. was inked on the smooth sheet as "NECK 2 1932". This has been corrected in the office.
- e. Several of the geographic names were inked on the sheet by the field party instead of being left in pencil as required in paragraph 160 (j) of the Hydrographic Manual. In addition names of islands were inked in slanting instead of vertical lettering which is accepted standard practice. These were not changed in the office.

2. Compliance with Instructions for the Project.

The plan, character, and extent of this survey satisfied the instructions.

3. Sounding Line Crossings.

No cross lines were run. The soundings on adjacent parallel lines are in satisfactory agreement.

4. Depth Curves.

The usual depth curves can be satisfactorily drawn.

5. Junctions with Contemporary Surveys.

The junction on the north with H-5583 (1934) is satisfactory.

6. Comparison with Prior Surveys.

There are no previous hydrographic surveys within the limits of the present survey.

7. Comparison with Chart 574 and 1241.

The chart shows no hydrography within the limits of the present survey.

8. Field Plotting.

The field plotting conforms to the requirements of the hydrographic manual.

9. Additional Field Work Recommended.

No additional work is required.

10. Superseding Old Surveys.

There are no old surveys to be superseded.

11. Reviewed by Leo S. Straw, April 1935.

Inspected by A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*  
Chief, Section of Field Records.

*James Dorden*  
Chief, Section of Field Work.

*L. O. Pollock*  
Chief, Division of Charts.

*G. W. Wade*  
Chief, Division of H. & T.

25 Jan 13, 1936

ead

Applied to new compilation drawing of Ch. 574 - Nov. 2, 1936 - J.F.W.